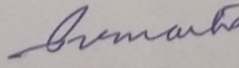No: SAC 40/Syllabus 2017-18

Date: 04-12-2017

NOTIFICATION
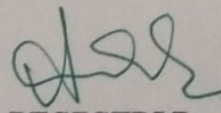
Sub: Syllabus of **Master of Computer Application (M.C.A)** Course Under Choice Based Credit System.

Ref: 1. Academic Council decision dated 28-10-2017
2. Office Notification dated 04-12-2017

Pursuant to the Notification cited under reference (2) above, the Syllabus of **Master of Computer Application (M.C.A)** Course under Choice Based Credit System is hereby notified for implementation with effect from the academic year **2017-18**.

PRINCIPAL   REGISTRAR

To:
1. The Chairman/Dean/HOD.
2. The Registrar
3. P.G Library
4. P.G Office

1

Master of Computer Applications – MCA

I SEMESTER

Sl No	Subject Code	Subject Title	Type	Credits	Total No of Hours	Lecture Hrs / week	Theory Exam duration (hours)	Practical Exam duration (hours)	Max Marks for Internal Assessment	Max. Marks for Term End Exam	Total Marks
1	PH 601.1	Digital Logic & Computer Organization	HC	4	45	4	3	---	30	70	100
2	PH 602.1	Principles of Programming & Program Design	HC	4	45	4	3	---	30	70	100
3	PH 603.1	Programming with C	HC	4	45	4	3	---	30	70	100
4	PH 604.1	Principles of Management for Enterprise IT	HC	4	45	4	3	---	30	70	100
5	PH 605.1 P	Digital Logic & C Programming Lab	HCL	2	90	6	---	3	30	70	100
5	PS 606.1	Statistical Techniques for Computing	SC	3	45	3	3	---	30	70	100
7	PS 607.1 P	Business Analytics using Excel & Matlab	SCL	2	90	6	---	3	30	70	100
8	PS 608.1	Soft Skills – I	---	1	30	2	---	---	50	----	50
		Total		24					260	490	750

* HC – Hard Core   SC – Soft Core   HCL – Hard Core Lab   SCL – Soft Core Lab   OE – Open Elective

II SEMESTER

Sl No	Subject Code	Subject Title	Type	Credits	Total No of Hours	Lecture Hrs / week	Theory Exam duration (hours)	Practical Exam duration (hours)	Max Marks for Internal Assessment	Max. Marks for Term End Exam	Total Marks
1	PH 601.2	Data Communications & Networks	HC	4	45	4	3	---	30	70	100
2	PH 602.2	Advanced Operating Systems	HC	4	45	4	3	---	30	70	100
3	PH 603.2	Object Oriented Programming with Java	HC	4	45	4	3	---	30	70	100
4	PH 604.2	Data Structures and Analysis of Algorithms	HC	4	45	4	3	---	30	70	100
5	PH 605.2 P	Data Structures and Java Programming Lab	HCL	2	90	6	---	3	30	70	100
6	PS 606.2	Probability & Stochastic Process	SC	3	45	3	3	---	30	70	100
7	PS 607.2 P	Web Design Lab with HTML5, CSS, Java Script	SCL	2	90	6	---	3	30	70	100
8	PS 608.2	Soft Skills – II	---	1	30	2	---	---	50	---	50
		Total		24					260	490	750

* HC – Hard Core SC – Soft Core HCL – Hard Core Lab SCL – Soft Core Lab OE – Open Elective